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NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
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NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 27 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 28 Oct 21 EVENTLINE has been reloaded
NEWS 29 Oct 24 BEILSTEIN adds new search fields
NEWS 30 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 31 Oct 25 MEDLINE SDI run of October 8, 2002
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- L3 ANSWER 1 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Interaction of TOR with the adenine nucleotide translocator.
- L3 ANSWER 2 OF 83 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
TI Whole-genome analysis of transporters in the plant pathogen Xylella fastidiosa.
- L3 ANSWER 3 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
1
TI Effect of polygodial on the mitochondrial ATPase of Saccharomyces cerevisiae.
- L3 ANSWER 4 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
2
TI Pharmacology of nucleoside and nucleotide reverse transcriptase inhibitor-induced mitochondrial toxicity.
- L3 ANSWER 5 OF 83 CAPLUS COPYRIGHT 2002 ACS
TI Transgenic plants with increased starch and/or oil production expressing the Arabidopsis thaliana plastidial ***ADP*** / ***ATP***
translocator
- L3 ANSWER 6 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Substrate oxidation and ADP/ATP exchange in coupled durum wheat (Triticum durum Desf.) mitochondria.
- L3 ANSWER 7 OF 83 CAPLUS COPYRIGHT 2002 ACS
TI ATP synthesis and export in heart left ventricle mitochondria from spontaneously hypertensive rat
- L3 ANSWER 8 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
3
TI 3'-azido-3'-deoxythymidine uptake into isolated rat liver mitochondria and impairment of ***ADP*** / ***ATP*** ***translocator*** .
- L3 ANSWER 9 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
4
TI Transport of reduced glutathione in hepatic mitochondria and mitoplasts from ethanol-treated rats: Effect of membrane physical properties and S-adenosyl-L-methionine.
- L3 ANSWER 10 OF 83 CAPLUS COPYRIGHT 2002 ACS
TI Viral myocarditis. Mechanisms of immune-mediated myocyte injury

=> d l3 5 ibib ab

L3 ANSWER 5 OF 83 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1999:736889 CAPLUS
DOCUMENT NUMBER: 132:942
TITLE: Transgenic plants with increased starch and/or oil
production expressing the Arabidopsis thaliana
plastidial ***ADP*** / ***ATP***
translocator
INVENTOR(S): Neuhaus, Ekkehard; Moehlmann, Torsten;

PATENT ASSIGNEE(S): Graeve-Kampfenkel, Karl-Heinz; Tjaden, Joachim;
 Schell, Jozef; Martini, Norbert
 SOURCE: Planttec Biotechnologie G.m.b.H. Forschung &
 Entwicklung, Germany; Max-Planck-Gesellschaft Zur
 Forderung Der Wissenschaften E.V.
 PCT Int. Appl., 60 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9958654	A2	19991118	WO 1999-EP3292	19990512
WO 9958654	A3	20000309		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG CA 2328394 AA 19991118 CA 1999-2328394 19990512 AU 9942610 A1 19991129 AU 1999-42610 19990512 BR 9910408 A 20010109 BR 1999-10408 19990512 EP 1078088 A2 20010228 EP 1999-939765 19990512 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO JP 2002514412 T2 20020521 JP 2000-548445 19990512 DE 1998-19821442 A 19980513 WO 1999-EP3292 W 19990512				
AB The invention relates to transgenic plant cells and plants which, compared to wild type cells or plants, exhibit an increased yield, esp. an increased oil and/or starch content, and which preferably synthesize a modified starch with increased amylose content. The described plants exhibit an increase or a decrease of the plastidial ***ADP*** / ***ATP*** ***translocator*** activity as a result of the transformation with Arabidopsis thaliana ***ADP*** / ***ATP*** ***translocator***				

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=> d l3 11-20 ti

L3 ANSWER 11 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
5

TI Expression of genes coding for ***ADP*** / ***ATP***
translocator in various yeasts.

L3 ANSWER 12 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Complete cDNA sequence of a tomato ***ADP*** / ***ATP***
translocator gene that is highly expressed in sink tissues.

L3 ANSWER 13 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
6

TI The controlling influence of ADP, ATP and magnesium on the activities of
adenylate kinase, ATP synthase, ***ADP*** / ***ATP***
translocator and the mitochondrial respiration in plants.

L3 ANSWER 14 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
7

TI Regulation of AAC isogenes encoding mitochondrial ***ADP*** /
ATP ***translocator*** in the yeast *Saccharomyces cerevisiae*.

L3 ANSWER 15 OF 83 AGRICOLA DUPLICATE 8

TI The N-terminal extension of the ***ADP*** - ***ATP***
translocator is not involved in targeting to plant mitochondria
in vivo.

L3 ANSWER 16 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
9

TI A single mutation in uncoupling protein of rat brown adipose tissue

mitochondria abolishes GDP sensitivity of H⁺ transport.

L3 ANSWER 17 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
10

TI Molecular analysis of a candidate gene for the reproductive isolation
between sibling species of *Drosophila*.

L3 ANSWER 18 OF 83 CAPLUS COPYRIGHT 2002 ACS

TI Transcriptional regulation of genes coding for ***ADP*** / ***ATP***
translocator in *S. cerevisiae*

L3 ANSWER 19 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
11

TI The topology of the brown adipose tissue mitochondrial uncoupling protein
determined with antibodies against its antigenic sites revealed by a
library of fusion proteins.

L3 ANSWER 20 OF 83 AGRICOLA DUPLICATE 12

TI Function-based mapping of the yeast mitochondrial ***ADP*** /
ATP ***translocator*** by selection for second site
revertants.

=> d l3 21-30 ti

L3 ANSWER 21 OF 83 AGRICOLA DUPLICATE 13

TI Site-directed mutagenesis of the yeast mitochondrial ***ADP*** /
ATP ***translocator*** : six arginines and one lysine are
essential.

L3 ANSWER 22 OF 83 AGRICOLA DUPLICATE 14

TI Transcriptional control of AAC3 gene encoding mitochondrial ***ADP*** /
ATP ***translocator*** in *Saccharomyces cerevisiae* by oxygen,
heme and ROX1 factor.

L3 ANSWER 23 OF 83 CAPLUS COPYRIGHT 2002 ACS

TI The function of ATP/ADP translocator in the regulation of mitochondrial
respiration during development of heart ischemic injury

L3 ANSWER 24 OF 83 AGRICOLA DUPLICATE 15

TI Structure, evolution and expression of the mitochondrial ***ADP*** /
ATP ***translocator*** gene from *Chlamydomonas reinhardtii*.

L3 ANSWER 25 OF 83 AGRICOLA DUPLICATE 16

TI ***ADP*** / ***ATP*** ***translocator*** from pea root plastids.
Comparison with translocators from spinach chloroplasts and pea leaf
mitochondria.

L3 ANSWER 26 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
17

TI Transcriptional control of nuclear genes for the mitochondrial muscle
ADP / ***ATP*** ***translocator*** and the ATP synthase
beta

subunit: Multiple factors interact with the oxbox/rebox promoter
sequences.

L3 ANSWER 27 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

18

TI ANTIBODIES SELECTED FROM WHOLE ANTISERUM BY FUSION PROTEINS AS TOOLS FOR THE STUDY OF THE TOPOLOGY OF MITOCHONDRIAL MEMBRANE PROTEINS EVIDENCE THAT THE N-TERMINAL EXTREMITY OF THE SIXTH ALPHA-HELIX OF THE UNCOUPLING PROTEIN IS FACING THE MATRIX.

L3 ANSWER 28 OF 83 CAPLUS COPYRIGHT 2002 ACS

TI Complementary DNA sequence of an adenylate translocator from Arabidopsis thaliana

L3 ANSWER 29 OF 83 AGRICOLA

DUPLICATE 19

TI ADP-glucose transport by the chloroplast adenylate translocator is linked to starch biosynthesis.

L3 ANSWER 30 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI IS THE EXPRESSION OF MITOCHONDRIAL-CODED SUBUNITS OF CYTOCHROME C OXIDASE LIMITING THE ASSEMBLY AND REGULATED BY ATP?.

=> d 13 31-40

L3 ANSWER 31 OF 83 AGRICOLA

DUPLICATE 20

AN 92:22525 AGRICOLA

DN IND92005365

TI The ***ADP*** / ***ATP*** ***translocator*** from potato has a long amino-terminal extension.

AU Emmermann, M.; Braun, H.P.; Schmitz, U.K.

CS Institut fur Genbiologische Forschung Berlin GmbH, Berlin, FRG

AV DNAL (QH426.C8)

SO Current genetics, 1991. Vol. 20, No. 5. p. 405-410

Publisher: Berlin, W. Ger. : Springer International.

CODEN: CUGEDS; ISSN: 0172-8083

NTE Includes references.

DT Article

FS Non-U.S. Imprint other than FAO

LA English

L3 ANSWER 32 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 21

AN 1991:339447 BIOSIS

DN BA92:38822

TI EFFECTS OF ANTHRALIN ON MITOCHONDRIAL BIOENERGETICS.

AU SALET C; MORENO G; MORLIERE P; SANTUS R

CS LAB. BIOPHYS., INSERM U 201, CNRS URA 481, 43 RUE CUVIER, F 75231 PARIS CEDEX 05, FR.

SO ARCH DERMATOL RES, (1991) 283 (3), 186-190.

CODEN: ADREDL. ISSN: 0340-3696.

FS BA; OLD

LA English

L3 ANSWER 33 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 22

AN 1992:53684 BIOSIS

DN BA93:33659

TI ***ADP*** ***ATP*** ***TRANSLOCATOR*** IS ESSENTIAL ONLY FOR ANAEROBIC GROWTH OF YEAST SACCHAROMYCES-CEREVISIAE.

AU DRGON T; SABOVA L; NELSON N; KOLAROV J

CS ROCHE INST. MOL. BIOL., ROCHE RES. CENT., NUTLEY, N.J. 07110.
 SO FEBS (FED EUR BIOCHEM SOC) LETT, (1991) 289 (2), 159-162.
 CODEN: FEBLAL. ISSN: 0014-5793.
 FS BA; OLD
 LA English

L3 ANSWER 34 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
 23
 AN 1992:45982 BIOSIS
 DN BA93:25957
 TI TWO-DIMENSIONAL DIFFUSION OF F-1F-0-ATP SYNTHASE AND ***ADP*** -
 ATP ***TRANSLOCATOR*** TESTING A HYPOTHESIS FOR ATP SYNTHESIS
 IN THE MITOCHONDRIAL INNER MEMBRANE.
 AU GUPTA S S; CHAZOTTE B; LEESNITZER M A; HACKENBROCK C R
 CS LAB. CELL BIOL., DEP. CELL BIOL. ANATOMY, UNIV. NORTH CAROLINA SCH. MED.,
 CHAPEL HILL, NC 27599-7090, USA.
 SO BIOCHIM BIOPHYS ACTA, (1991) 1069 (2), 131-138.
 CODEN: BBACAQ. ISSN: 0006-3002.
 FS BA; OLD
 LA English

L3 ANSWER 35 OF 83 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
 AN 92031955 EMBASE
 DN 1992031955
 TI [Cellular and molecular mechanisms in heart failure].
 ZELLULARE UND MOLEKULARE MECHANISMEN BEI HERZINSUFFIZIENZ.
 AU Krause E.-G.
 CS Inst. Herz-Kreislaufforschung, Robert-Rossle-Str. 10,O-1115 Berlin,
 Germany
 SO Zeitschrift fur Kardiologie, (1991) 80/SUPPL. 8 (13-18).
 ISSN: 0300-5860 CODEN: ZKRDX
 CY Germany
 DT Journal; Conference Article
 FS 018 Cardiovascular Diseases and Cardiovascular Surgery
 LA German
 SL English; German

L3 ANSWER 36 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
 24
 AN 1991:48941 BIOSIS
 DN BA91:27222
 TI OXBOX A POSITIVE TRANSCRIPTIONAL ELEMENT OF THE HEART-SKELETAL MUSCLE
 ADP ***ATP*** ***TRANSLOCATOR*** GENE.
 AU LI K; HODGE J A; WALLACE D C
 CS DEP. BIOCHEM., EMORY UNIV. SCH. MED., ATLANTA, GEORGIA 30322.
 SO J BIOL CHEM, (1990) 265 (33), 20585-20588.
 CODEN: JBCHA3. ISSN: 0021-9258.
 FS BA; OLD
 LA English

L3 ANSWER 37 OF 83 AGRICOLA DUPLICATE 25
 AN 90:67267 AGRICOLA
 DN IND90041751
 TI A third ***ADP*** / ***ATP*** ***translocator*** gene in yeast.
 AU Kolarov, J.; Kolarova, N.; Nelson, N.
 CS Slovak Academy of Sciences, Bratislava, Czechoslovakia
 AV DNAL (381 J824)

SO The Journal of biological chemistry, July 25, 1990. Vol. 265, No. 21. p.
12711-12716
Publisher: Baltimore, Md. : American Society for Biochemistry and
Molecular Biology.
CODEN: JBCHA3; ISSN: 0021-9258

NTE Includes references.

DT Article

FS U.S. Imprints not USDA, Experiment or Extension

LA English

L3 ANSWER 38 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
26

AN 1990:515014 BIOSIS

DN BA90:132290

TI PROTEIN IMPORT INTO YEAST MITOCHONDRIA IS ACCELERATED BY THE OUTER
MEMBRANE PROTEIN MAS70.

AU HINES V; BRANDT A; GRIFFITHS G; HORSTMANN H; BRUETSCH H; SCHATZ G

CS BIOCENT., UNIV. BASEL, CH-4056 BASEL, SWITZERLAND.

SO EMBO (EUR MOL BIOL ORGAN) J, (1990) 9 (10), 3191-3200.

CODEN: EMJODG. ISSN: 0261-4189.

FS BA; OLD

LA English

L3 ANSWER 39 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
27

AN 1990:242506 BIOSIS

DN BA89:129459

TI REGULATION OF CALCIUM ION TRANSPORT IN BRAIN MITOCHONDRIA II. THE
MECHANISM OF THE ADENINE NUCLEOTIDES ENHANCEMENT OF CALCIUM UPTAKE AND
RETENTION.

AU ROTTENBERG H; MARBACH M

CS PATHOL. DEP., HAHNEMANN UNIV., BROAD AND VINE, PHILADELPHIA, PA. 19102.

SO BIOCHIM BIOPHYS ACTA, (1990) 1016 (1), 87-98.

CODEN: BBACAQ. ISSN: 0006-3002.

FS BA; OLD

LA English

L3 ANSWER 40 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
28

AN 1989:513300 BIOSIS

DN BA88:129443

TI SEQUENCE AND CHROMOSOMAL ASSIGNMENT OF A NOVEL COMPLEMENTARY DNA
IDENTIFIED BY IMMUNOSCREENING OF A THYROID EXPRESSION LIBRARY SIMILARITY
TO A FAMILY OF MITOCHONDRIAL SOLUTE CARRIER PROTEINS.

AU ZARRILLI R; OATES E L; MCBRIDE O W; LERMAN M I; CHAN J Y; SANTISTEBAN P;
URSINI M V; NOTKINS A L; KOHN L D

CS NATL. INST. DIABETES AND DIGESTIVE AND KIDNEY DISEASES, SECTION ON CELL
REGULATION, LAB. BIOCHEM. AND METABOLISM, BETHESDA, MD. 20892.

SO MOL ENDOCRINOL, (1989) 3 (9), 1498-1508.

CODEN: MOENEN. ISSN: 0888-8809.

FS BA; OLD

LA English

=> d 13 41-50 ti

L3 ANSWER 41 OF 83 AGRICOLA

DUPLICATE 29

TI Immunochemical analysis shows that an ATP/ADP-translocator is associated with the inner-envelope membranes of amyloplasts from Acer pseudoplatanus L.

L3 ANSWER 42 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 30

TI THE HUMAN ATP SYNTHASE BETA SUBUNIT GENE SEQUENCE ANALYSIS CHROMOSOME ASSIGNMENT AND DIFFERENTIAL EXPRESSION.

L3 ANSWER 43 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI MITOCHONDRIAL ANTIGENS AS TARGETS OF AUTOIMMUNITY IN HUMAN DILATED CARDIOMYOPATHY.

L3 ANSWER 44 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 31

TI ADENINE NUCLEOTIDE REGULATE CALCIUM TRANSPORT IN BRAIN MITOCHONDRIA.

L3 ANSWER 45 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 32

TI HEMATOPORPHYRIN DERIVATIVE PHOTOFRIN II PHOTSENSITIZATION OF ISOLATED MITOCHONDRIA INHIBITION OF ***ADP*** - ***ATP***
TRANSLOCATOR

L3 ANSWER 46 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 33

TI INCREASE IN THE ADP-ATP EXCHANGE IN RAT LIVER MITOCHONDRIA IRRADIATED IN-VITRO BY HELIUM-NEON LASER.

L3 ANSWER 47 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 34

TI CYTOPLASMIC MALE STERILITY IN PETUNIA-HYBRIDA FACTORS AFFECTING MITOCHONDRIAL ATP EXPORT IN NORMAL AND CYTOPLASMICALLY MALE STERILE PLANTS.

L3 ANSWER 48 OF 83 CAPLUS COPYRIGHT 2002 ACS

TI Import of precursor proteins into Vicia faba mitochondria

L3 ANSWER 49 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 35

TI COMPLEMENTARY DNA SEQUENCE OF A HUMAN SKELETAL MUSCLE ***ADP*** -
ATP ***TRANSLOCATOR*** LACK OF A LEADER PEPTIDE DIVERGENCE FROM A FIBROBLAST TRANSLOCATOR COMPLEMENTARY DNA AND COEVOLUTION WITH MITOCHONDRIAL DNA GENES.

L3 ANSWER 50 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI MECHANISM AND REGULATION OF THE ***ADP*** - ***ATP***
TRANSLOCATOR FROM MITOCHONDRIA.

=> d l3 51-60 ti

L3 ANSWER 51 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 36

TI CROSS-REACTIVITY OF ANTIBODIES TO THE ***ADP*** - ***ATP***
TRANSLOCATOR OF THE INNER MITOCHONDRIAL MEMBRANE WITH THE CELL SURFACE OF CARDIAC MYOCYTES.

L3 ANSWER 52 OF 83 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 37
 TI An extremely acidic amino-terminal presequence of the precursor for the human mitochondrial hinge protein.

L3 ANSWER 53 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI TWO EXAMPLES OF SELECTIVE FLUORESCENT LABELING OF SULFHYDRYL GROUPS WITH EOSIN-5 MALEIMIDE THE ***ADP*** - ***ATP*** ***TRANSLOCATOR*** AND THE CYTOCHROME C OXIDASE SUBUNIT III OF BOVINE HEART MITOCHONDRIA.

L3 ANSWER 54 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 38
 TI SEQUENCES REQUIRED FOR DELIVERY AND LOCALIZATION OF THE ***ADP*** - ***ATP*** ***TRANSLOCATOR*** TO THE MITOCHONDRIAL INNER MEMBRANE.

L3 ANSWER 55 OF 83 CAPLUS COPYRIGHT 2002 ACS
 TI The mitochondrial creatine phosphokinase is associated with inner membrane cardiolipin

L3 ANSWER 56 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 39
 TI CARDIOLIPIN IS THE MEMBRANE RECEPTOR FOR MITOCHONDRIAL CREATINE PHOSPHOKINASE.

L3 ANSWER 57 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 40
 TI CLONING AND EXPRESSION OF THE RICKETTSIA-PROWAZEKII ***ADP*** - ***ATP*** ***TRANSLOCATOR*** IN ESCHERICHIA-COLI.

L3 ANSWER 58 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI CLONING AND EXPRESSION OF THE RICKETTSIA-PROWAZEKII ***ADP*** - ***ATP*** ***TRANSLOCATOR*** IN ESCHERICHIA-COLI.

L3 ANSWER 59 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 41
 TI ROTATIONAL DIFFUSION OF THE ***ADP*** ***ATP*** ***TRANSLOCATOR*** IN THE INNER MEMBRANE OF MITOCHONDRIA AND IN PROTEO LIPOSOMES.

L3 ANSWER 60 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 42
 TI AN IMMUNOLOGICAL STUDY OF THE UNCOUPLING PROTEIN OF BROWN ADIPOSE TISSUE MITOCHONDRIA.

=> d l3 59 ibib

L3 ANSWER 59 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 41
 ACCESSION NUMBER: 1984:288211 BIOSIS
 DOCUMENT NUMBER: BA78:24691
 TITLE: ROTATIONAL DIFFUSION OF THE ***ADP*** ***ATP*** ***TRANSLOCATOR*** IN THE INNER MEMBRANE OF MITOCHONDRIA AND IN PROTEO LIPOSOMES.
 AUTHOR(S): MULLER M; KREBS J J R; CHERRY R J; KAWATO S
 CORPORATE SOURCE: LAB. BIOCHEMIE, EIDGENOSSISCHE TECHNISCHE HOCHSCHULE, ETH-ZENTRUM, UNIVERSITAETSSTR. 16, DH-8092 ZURICH, SWITZ.
 SOURCE: J BIOL CHEM, (1984) 259 (5), 3037-3043.

FILE SEGMENT: BA; OLD
LANGUAGE: English

=> d l3 61-70 ti

- L3 ANSWER 61 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
43
TI IDENTIFICATION AND PARTIAL PURIFICATION OF A HEART MITOCHONDRIAL MEMBRANE
PROTEINASE.
- L3 ANSWER 62 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
44
TI SYNTHESIS AND INTRA CELLULAR TRANSPORT OF CYTOCHROME OXIDASE SUBUNIT IV
AND ***ADP*** ***ATP*** ***TRANSLOCATOR*** PROTEIN IN INTACT
HEPATOMA CELLS.
- L3 ANSWER 63 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
45
TI SELECTIVE LABELING AND ROTATIONAL DIFFUSION OF THE ***ADP***
ATP ***TRANSLOCATOR*** IN THE INNER MITOCHONDRIAL MEMBRANE.
- L3 ANSWER 64 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI ***ADP*** ***ATP*** ***TRANSLOCATOR*** FROM BEEF HEART
MITOCHONDRIA AMINO-ACID SEQUENCE AND SURFACE LABELING.
- L3 ANSWER 65 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
46
TI INCORPORATION OF N ETHYL MALEIMIDE INTO THE MEMBRANE BOUND ***ADP***
ATP ***TRANSLOCATOR*** ISOLATION OF THE PROTEIN LABELED WITH
TRITIUM LABELED N ETHYL MALEIMIDE.
- L3 ANSWER 66 OF 83 CAPLUS COPYRIGHT 2002 ACS
TI The role of the adenine nucleotide translocator in oxidative
phosphorylation. A theoretical investigation on the basis of a
comprehensive rate law of the translocator
- L3 ANSWER 67 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI THE EFFLUX OF METALLO PORPHYRINS FROM ISOLATED RAT LIVER MITOCHONDRIA.
- L3 ANSWER 68 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
47
TI INFLUENCE OF DIVALENT CATIONS ON THE RECONSTITUTED ADP ATP EXCHANGE.
- L3 ANSWER 69 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
48
TI IS THERE A COMMON BINDING CENTER IN THE ADP ATP CARRIER FOR SUBSTRATE AND
INHIBITORS AMINO-ACID REAGENTS AND THE MECHANISM OF THE ***ADP***
ATP ***TRANSLOCATOR*** .
- L3 ANSWER 70 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI 2 TRANSPORT PROTEINS FROM MITOCHONDRIA 1. MECHANISTIC ASPECTS OF ASYMMETRY
OF THE ***ADP*** ***ATP*** ***TRANSLOCATOR*** 2. THE
UNCOUPLING PROTEIN OF BROWN ADIPOSE TISSUE MITOCHONDRIA.

=> d l3 71-80 ti

- L3 ANSWER 71 OF 83 CAPLUS COPYRIGHT 2002 ACS
TI Two transport proteins from mitochondria. I. Mechanistic aspects of asymmetry of the ***ADP*** , ***ATP*** ***translocator*** . II. The uncoupling protein of brown adipose tissue mitochondria
- L3 ANSWER 72 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 49
TI ISOLATION OF ***ADP*** ***ATP*** ***TRANSLOCATOR*** FROM BEEF HEART MITOCHONDRIA AS THE BONGKREKATE PROTEIN COMPLEX.
- L3 ANSWER 73 OF 83 CAPLUS COPYRIGHT 2002 ACS
TI Changes in mitochondria substrate oxidation during development of a crassulacean acid metabolism
- L3 ANSWER 74 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 50
TI ***ADP*** ***ATP*** ***TRANSLOCATOR*** PROTEIN OF RAT HEART LIVER AND HEPATOMA MITOCHONDRIA EXHIBITS IMMUNOLOGICAL CROSS REACTIVITY.
- L3 ANSWER 75 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 51
TI THE BIOSYNTHESIS OF THE MITOCHONDRIAL ***ADP*** ***ATP*** ***TRANSLOCATOR*** .
- L3 ANSWER 76 OF 83 CAPLUS COPYRIGHT 2002 ACS
TI The ***ADP*** , ***ATP*** ***translocator*** in mitochondria with particular attention to the effects of the atractylates
- L3 ANSWER 77 OF 83 AGRICOLA
TI The biosynthesis of the mitochondrial [of Neurospora crassa, Fungi] ***ADP*** , ***ATP*** ***translocator***
- L3 ANSWER 78 OF 83 AGRICOLA
TI Isolation of the ***ADP*** / ***ATP*** ***translocator*** from beef heart mitochondria as the bongkrekate-protein complex
- L3 ANSWER 79 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 52
TI INTERACTION OF A SYNTHETIC POLY ANION WITH RAT LIVER MITOCHONDRIA.
- L3 ANSWER 80 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 53
TI IMMUNOLOGICAL CHARACTERIZATION OF THE ***ADP*** ***ATP*** ***TRANSLOCATOR*** PROTEIN ISOLATED FROM MITOCHONDRIA OF LIVER HEART AND OTHER ORGANS EVIDENCE FOR AN ORGAN SPECIFICITY.

=> s l3 81-83 ti

MISSING OPERATOR L3 81-83

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> d l3 81-83 ti

L3 ANSWER 81 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
54

TI ANTIBODY EVIDENCE FOR DIFFERENT CONFORMATIONAL STATES OF ***ADP***
ATP ***TRANSLOCATOR*** PROTEIN ISOLATED FROM MITOCHONDRIA.

L3 ANSWER 82 OF 83 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI THE FUNCTION OF THE ADENINE NUCLEOTIDE TRANSLOCATOR IN RELATION TO
OXIDATIVE PHOSPHORYLATION PART 2.

L3 ANSWER 83 OF 83 CAPLUS COPYRIGHT 2002 ACS
TI Comparison of ADP and ATP as substrates for the adenine nucleotide
translocator in rat liver mitochondria

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 NEWS 10 Jun 10 MEDLINE Reload
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 NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
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 NEWS 18 Aug 08 NTIS has been reloaded and enhanced
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 now available on STN
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 NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
 NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
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=> s plastidial and translocator and increase and plant

L1 1 PLASTIDIAL AND TRANSLOCATOR AND INCREASE AND PLANT

=> d l1 1

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

AN 1999:736889 CAPLUS

DN 132:942

TI Transgenic ***plants*** with increased starch and/or oil production
expressing the Arabidopsis thaliana ***plastidial*** ADP/ATP
translocator

IN Neuhaus, Ekkehard; Moehlmann, Torsten; Graeve-Kampfenkel, Karl-Heinz;
Tjaden, Joachim; Schell, Jozef; Martini, Norbert

PA Planttec Biotechnologie G.m.b.H. Forschung & Entwicklung, Germany;
Max-Planck-Gesellschaft Zur Forderung Der Wissenschaften E.V.

SO PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9958654	A2	19991118	WO 1999-EP3292	19990512
WO 9958654	A3	20000309		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,
DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,
MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,

ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
 CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2328394	AA	19991118	CA 1999-2328394	19990512
AU 9942610	A1	19991129	AU 1999-42610	19990512
BR 9910408	A	20010109	BR 1999-10408	19990512
EP 1078088	A2	20010228	EP 1999-939765	19990512

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO

JP 2002514412	T2	20020521	JP 2000-548445	19990512
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PRAI DE 1998-19821442 A 19980513
 WO 1999-EP3292 W 19990512

=> s translocator and increase and plant
 L2 52 TRANSLOCATOR AND INCREASE AND PLANT

=> duplicate remove l2
 DUPLICATE PREFERENCE IS 'AGRICOLA, BIOSIS, EMBASE, CAPLUS'
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 L3 27 DUPLICATE REMOVE L2 (25 DUPLICATES REMOVED)

=> d l3 1-10 ti

L3 ANSWER 1 OF 27 CAPLUS COPYRIGHT 2002 ACS
 TI The influence of sugar synthesis and transport rates on bioenergetics and kinetics of higher ***plant*** photosynthesis

L3 ANSWER 2 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 1
 TI Ontogenetic changes of potato ***plants*** during acclimation to elevated carbon dioxide.

L3 ANSWER 3 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 2
 TI Control of carbon partitioning and photosynthesis by the triose phosphate/phosphate ***translocator*** in transgenic tobacco ***plants*** (Nicotiana tabacum L.). I. Comparative physiological analysis of tobacco ***plants*** with antisense repression and overexpression of the triose phosphate/phosphate ***translocator***

L3 ANSWER 4 OF 27 CAPLUS COPYRIGHT 2002 ACS
 TI Cytokinins in pathogenesis and disease resistance of Pyrenophora teres-barley and Dreschlera maydis-maize interactions during early stages of infection

L3 ANSWER 5 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 3
 TI Ontogenic changes of thioredoxins f and m, and of their targets fructose-1,6-bisphosphatase and NAD(P)-malate dehydrogenase, of pea ***plants*** grown under light stress conditions.

L3 ANSWER 6 OF 27 CAPLUS COPYRIGHT 2002 ACS
 TI Transgenic ***plants*** with increased starch and/or oil production expressing the Arabidopsis thaliana plastidial ADP/ATP ***translocator***

- L3 ANSWER 7 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
4
- TI Expression of photosynthesis- and senescence-related genes during leaf development and senescence in silver birch (*Betula pendula*) seedlings.
- L3 ANSWER 8 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
- TI A human aryl hydrocarbon receptor signaling pathway constructed in yeast displays additive responses to ligand mixtures.
- L3 ANSWER 9 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
- TI Bax and adenine nucleotide ***translocator*** cooperate in the mitochondrial control of apoptosis.
- L3 ANSWER 10 OF 27 AGRICOLA DUPLICATE 5
- TI Compensation of decreased triose phosphate/phosphate ***translocator*** activity by accelerated starch turnover and glucose transport in transgenic tobacco.

=> d 13 10 ab

- L3 ANSWER 10 OF 27 AGRICOLA DUPLICATE 5
- AB Tobacco (*Nicotiana tabacum* L.) ***plants*** were transformed with an antisense construct of the chloroplast triose phosphate/phosphate ***translocator*** (TPT). Three transformant lines of the T4 progeny, which showed a large decrease in the transcript level of the TPT were used for further biochemical and physiological characterisation. In all antisense lines tested, TPT transport activity was diminished by 50-70% compared with the wild type (WT). Despite this high reduction in the transport capacity, alphaTPT ***plants*** lacked any visible phenotype. Hexokinase and alpha-amylase activities were increased in TPT ***plants*** compared with the WT, whereas activities of ribulose-1,5-bisphosphate carboxylase/oxygenase and ADP-glucose pyrophosphorylase (AGPase) were not affected. At the end of a 14-h light period, leaf starch contents in alphaTPT lines were similar to those of the WT and controls, indicating that a decrease in the TPT had no effect on starch accumulation. Sucrose contents were diminished by more than 50% in alphaTPT lines compared with control ***plants***. The time course of starch accumulation revealed a transient ***increase*** in the starch content in a selected alphaTPT line after 6 h in the light, followed by a decrease towards the end of the light period. Labelling with ¹⁴C indicated that during the dark and light (late afternoon) periods starch is mobilised at higher rates in alphaTPT lines than in the controls. Glucose/fructose ratios at the end of the dark period were increased from 1.2 in control ***plants*** to 2 in alphaTPT lines indicating increased amylolytic starch degradation. Initial rates of [¹⁴C] glucose transport in isolated chloroplasts were increased by a factor of 2-3 in alphaTPT ***plants*** compared with the WT. Rates of CO₂ assimilation were substantially diminished in the alphaTPT lines in high CO₂ and low O₂, but remained unaffected in ambient CO₂. The rate of photosynthetic electron transport during the induction of photosynthesis in saturating CO₂ exhibited pronounced oscillations only in WT and control ***plants***. Oscillations were less pronounced in alphaTPT ***plants***, indicating that phosphate limitation of photosynthesis is lowered in alphaTPT ***plants*** compared with the WT. It is proposed that photoassimilates are more readily directed into starch biosynthesis in alphaTPT ***plants***. This is supported by determinations of

3-phosphoglycerate levels (an activator of AGPase) during the transition from dark to light in high CO₂.

=> s l3 adp(w)atp

MISSING OPERATOR L3 ADP

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s l3 and adp(w)atp

L4 1 L3 AND ADP(W) ATP

=> d l4 1

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

AN 1999:736889 CAPLUS

DN 132:942

TI Transgenic ***plants*** with increased starch and/or oil production expressing the Arabidopsis thaliana plastidial ***ADP*** / ***ATP***
translocator

IN Neuhaus, Ekkehard; Moehlmann, Torsten; Graeve-Kampfenkel, Karl-Heinz; Tjaden, Joachim; Schell, Jozef; Martini, Norbert

PA Planttec Biotechnologie G.m.b.H. Forschung & Entwicklung, Germany; Max-Planck-Gesellschaft Zur Forderung Der Wissenschaften E.V.

SO PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9958654	A2	19991118	WO 1999-EP3292	19990512
	WO 9958654	A3	20000309		
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2328394	AA	19991118	CA 1999-2328394	19990512
	AU 9942610	A1	19991129	AU 1999-42610	19990512
	BR 9910408	A	20010109	BR 1999-10408	19990512
	EP 1078088	A2	20010228	EP 1999-939765	19990512
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002514412	T2	20020521	JP 2000-548445	19990512
PRAI	DE 1998-19821442	A	19980513		
	WO 1999-EP3292	W	19990512		

=> s adp(w)atp and stimulation and translocator

L5 14 ADP(W) ATP AND STIMULATION AND TRANSLOCATOR

=> duplicate remove 15

DUPLICATE PREFERENCE IS 'BIOSIS, EMBASE, CAPLUS'
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L6 13 DUPLICATE REMOVE L5 (1 DUPLICATE REMOVED)

=> d l6 1-13 ti

L6 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2002 ACS

TI EGR2 mutations in inherited neuropathies dominant-negatively inhibit myelin gene expression

L6 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2002 ACS

TI Thyroid hormone coordinates respiratory control maturation and adenine nucleotide ***translocator*** expression in heart in vivo

L6 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2002 ACS

TI Mitochondrial disease in mouse results in increased oxidative stress

L6 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2002 ACS

TI Impairment of myocardial calcium homeostasis by antibodies against the adenine nucleotide ***translocator***

L6 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2002 ACS

TI Estrogen stimulates expression of adenine nucleotide ***translocator*** ANT1 messenger RNA in female rat hearts

L6 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2002 ACS

TI Do kinetics of ADP ***stimulation*** of mitochondria really change during myocardial maturation? Reply to comments

L6 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2002 ACS

TI Do kinetics of ADP ***stimulation*** of mitochondria really change during myocardial maturation? Comments

L6 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2002 ACS

TI Control of oxidative phosphorylation in rat liver mitochondria: effect of ionic media

L6 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2002 ACS

TI Protein import into yeast mitochondria is accelerated by the outer membrane protein MAS70

L6 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2002 ACS

TI Adenine nucleotides regulate calcium transport in brain mitochondria

L6 ANSWER 11 OF 13 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 1

TI ACTIVATION OF THE ***ADP*** - ***ATP*** CARRIER FROM MITOCHONDRIA BY CATIONIC EFFECTORS.

L6 ANSWER 12 OF 13 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

TI Activation of the ***ADP*** / ***ATP*** carrier from mitochondria by cationic effectors.

L6 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2002 ACS

TI Translocation and binding of adenine nucleotides by rat liver mitochondria partially depleted of phospholipids

=>

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
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